

**PAT-NO:** JP361093231A  
**DOCUMENT-  
IDENTIFIER:** JP 61093231 A  
**TITLE:** SUPERCHARGED INTERNAL-COMBUSTION ENGINE FOR  
MOTORCYCLE  
**PUBN-DATE:** May 12, 1986

**INVENTOR-INFORMATION:**

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**APPL-NO:** JP59213079

**APPL-DATE:** October 11, 1984

**INT-CL (IPC):** F02B033/44

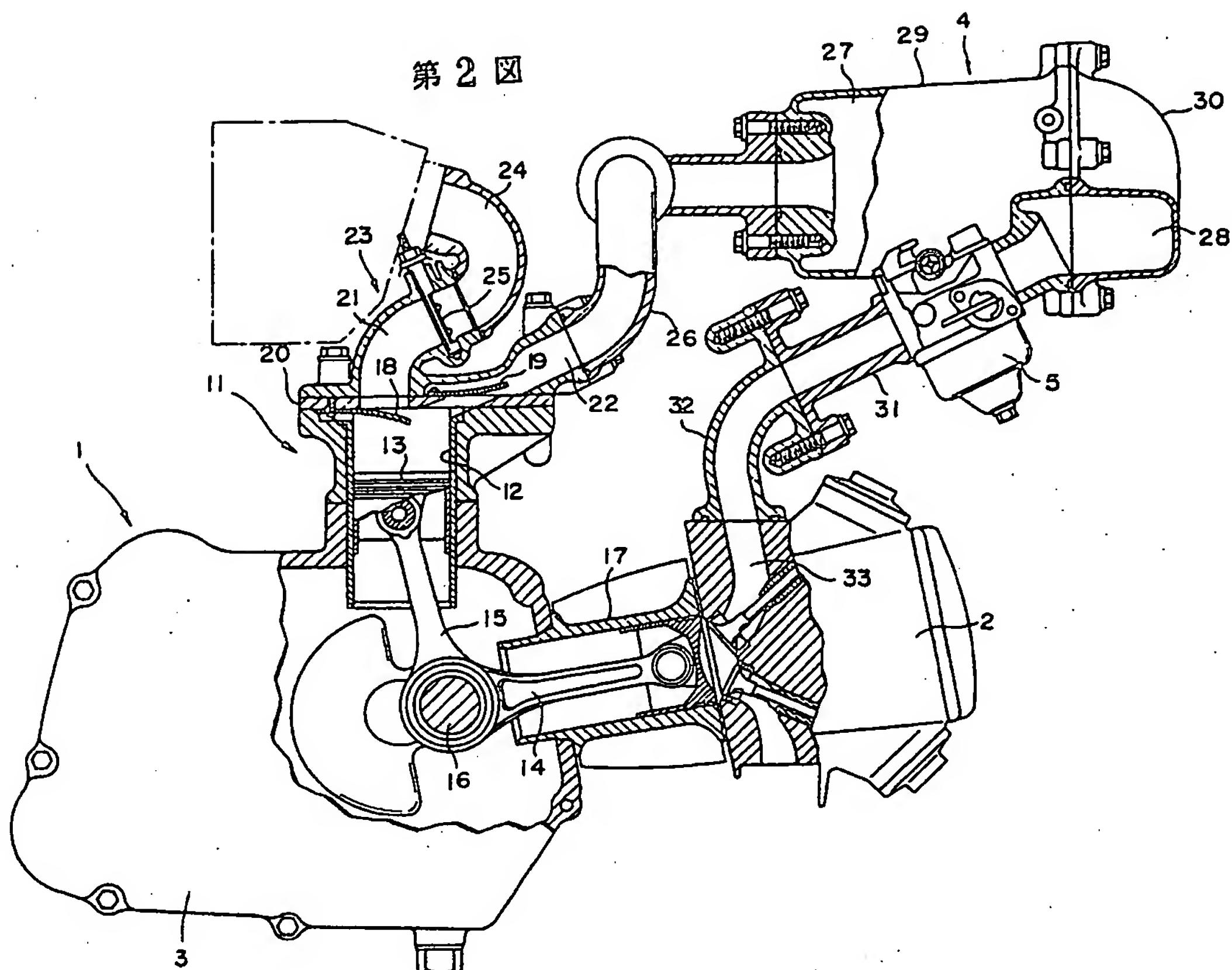
**ABSTRACT:**

**PURPOSE:** To get apparatuses constituting a suction system together in one spot and set up it in a compact manner, by setting up a surge tank and a carburetor in an empty space on top of a cylinder head extending horizontally, while installing a supercharger solidly in a crankcase as one body.

**CONSTITUTION:** A cylinder head 2 is installed in the front of a crankcase 3 so as to extend horizontally, while a surge tank 4 is set up in an upper part of the cylinder head 2. A carburetor 5 is set up as getting closer to the obliquely right lower part of the surge tank 4, and an air cleaner is set up in an obliquely upper part behind an internal-combustion engine body 1 and that on the top of the crankcase 3, there is provided with a supercharger 11 which consists of a subcylinder 12 and a subpiston 13 being fitly installed inside this subcylinder 12 free of slide motion.

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